

NARRATIVE REPORT
UPPER MISSISSIPPI RIVER NATIONAL WILDLIFE REFUGE

GUTTENBERG DISTRICT

Fiscal 1974

Robert E. Wilson
District Manager

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Guttenberg, Iowa

GUTTENBERG

C O N T E N T S

	<u>Page</u>
I. General	
A. Weather Conditions.....	1
B. Habitat Conditions.....	2
1. Water.....	2
2. Food and Cover.....	2
II. Wildlife	
A. Migratory Birds.....	2
1. Waterfowl.....	2-4
2. Other Water Birds.....	5-
3. Shorebirds.....	5
B. Upland Game Birds.....	5
C. Big Game Animals.....	5
D. Fur Animals.....	5
E. Eagles.....	5
F. Other Birds.....	5
G. Fish.....	6
H. Reptiles.....	6
I. Disease.....	6
J. Rare and Endangered Species.....	6
III. Refuge Development and Maintenance	
A. Physical Development.....	6
1. Development.....	6
2. Maintenance.....	6
B. Plantings.....	6
1. Aquatics and Marsh Plants.....	6
2. Trees and Shrubs.....	6
3. Upland Herbaceous Plants.....	6
4. Cultivated Crops.....	6
C. Collections and Receipts.....	6
1. Seed or other Propagules.....	6
2. Specimens.....	7
D. Control of Vegetation.....	7
E. Planned Burning.....	7
F. Fires.....	7
IV. Resource Management	
A. Grazing.....	7
B. Haying.....	7
C. Fur Harvest.....	7
D. Timber.....	7
E. Commercial Fishing.....	8
F. Other Uses.....	8
V. Field Investigation or Applied Research	
A. Wood Duck Management Studies.....	8
1. Wood Duck Flight Counts.....	8
2. Brood Counts.....	8
3. Fall Roost Counts.....	8
B. Wood Duck Banding.....	8
C. Waterfowl Hunter Bag Checks.....	9

CONTENTS, continued

	<u>Page</u>
D. Vegetative Transects.....	9
VI. Public Relations	
A. Recreational Use.....	9
B. Refuge Participation.....	9
C. Hunting.....	9
D. Violations.....	10
E. Safety.....	10
VII. Other Items	
A. Items of Interest.....	10
B. Credits.....	10
C. Signature Page.....	11

I. GENERAL

A. Weather Conditions

MONTH	Precipitation		Snowfall:::Max.	Min.	Temperature		
	Total	Normal			Mean	Normal	Mean Av.
July	4.34	3.51		91	58	72.3	72.6
August	1.54	3.73		93	55	72.3	70.5
September	7.27	3.74		90	39	62.5	61.7
October	0.73	2.74		79	31	55.6	50.7
November	2.09	2.59	Trace	60	14	38.0	34.8
December	2.42	1.90	6.7	61	-9	20.4	23.5
January	2.39	1.73	9.1	45	-22	17.6	17.7
February	1.38	1.26	13.5	43	-7	20.5	22.0
March	2.62	2.97	3.1	64	-3	34.2	32.2
April	4.21	4.15	0.5	80	23	49.2	47.5
May	7.39	4.67		82	31	54.8	58.0
June	7.74	5.29		87	44	63.8	67.5
Annual Totals	44.12	38.28	32.9	93	-22	46.8	46.6

On the evening of June 20, winds ranging from 60 to 85 mph hit the district. Many trees and power lines were downed. Numerous trees along the shoreline of the main channel and backwater sloughs were uprooted. The marinas at Guttenberg and Clayton were hardest hit. Winegar's Marina at Guttenberg sustained an estimated \$100,000 damage. Bill's Marina in Clayton received \$10,000.

B. Habitat Conditions
 1. Water

POOL LEVELS

Pool No. 10 at Clayton, Iowa Normal: 611.0

MONTH	HIGHEST <u>LEVEL</u>	LOWEST <u>LEVEL</u>	DATE OF <u>HIGH LEVEL</u>	DATE OF <u>LOW LEVEL</u>
July	12.00	11.20	5	25
August	12.20	11.30	9	6
September	12.30	11.55	30	24
October	12.55	11.60	3	13
November	12.25	11.90	30	14
December	12.20	11.20	6	9
January	12.10	11.30	1	19
February	12.10	11.15	25	17
March	13.10	11.60	12	1
April	15.90	12.25	21	5
May	14.40	12.30	1	12
June	16.60	12.20	22	3

Gauge reading: 8 a.m. pool reading, Clayton, Iowa.

Water levels averaged above normal during every month of the year. During the year, the gates at L/D 10 were out a total of 57 days.

2. Food and Cover

All indications are that there was sufficient food and cover for the wildlife.

II. WILDLIFE

A. Migratory Birds
 1. Waterfowl

Fall---September-December: Fall migration peaked the second week in October with approximately 6,600 ducks present. This peak period

was consistant with last year, but this year's population was down nearly 5,000 birds. Total use for the period was 390,433 days. Mallards (41%), Wood Duck (25%), blue wing teal (8%), scaup (7%), and wigeon (6%) totaled 87% of the duck use days. Temperatures dropped sharply the first week in December and by the end of the week only a few mallards, goldeneye, and common mergansers remained on the district.

Very few geese were observed stopping in the district. Twelve Canadas were observed the second week in October and the last week in October, 20 snows and blues were sighted.

No whistling swans were observed this year.

The fall migration of coots peaked at 27,000 the third week in October. This was up nearly 100% over the same period last year.

Spring---January-April: The spring migration peaked at 42,631 ducks the first week in April. Compared to the same period last year the peak this year was about one week later and increased by about 17,000 birds. Total use for the period was 1,074,539 days compared to 798,860 days last year. As in past years, scaup was the predominant species comprising 57% of the use. Scaup were followed by mallards (13%), goldeneyes (8%), common mergansers (7%), and canvasbacks (4%).

Only 45 Canada geese and no snows or blues were observed stopping in the district during the period. The Canadas only stayed 2 days and then were on their way again. The district does not seem to be conducive for very long stop-overs by geese.

The spring migration of coots began the second week in March and peaked the first week in April with nearly 13,000 on the district. Their numbers quickly dropped off and were down to about 400 by the end of April.

There were no whistling swans observed during the spring migration.

Duck use for the entire year totaled 1,735,452 days. By species scaup were number one, followed by mallards and wood ducks.

The table on the following page lists use-days and percentage of use by species for the entire year and each of the migration periods.

Species	Total Use	% of Total	Fall (Sept.-Dec.)	%	Spring (Jan.-Apr.)	%
Mallard	336,486	19.39	161,028	41.24	144,833	13.48
Black	4,198	0.24	3,353	0.85	845	0.08
Gadwall	6,881	0.39	4,956	1.27	1,925	0.18
Wigeon	38,822	2.23	25,564	6.55	13,258	1.23
Pintail	24,086	1.39	19,166	4.91	4,780	0.44
GW Teal	8,169	0.47	5,439	1.39	2,730	0.25
BW Teal	47,481	2.74	31,024	7.95	11,312	1.05
Shoveler	12,263	0.71	1,309	0.34	10,709	0.99
Wood Duck	332,696	19.17	99,540	25.49	20,706	1.93
Redhead	9,534	0.55	210	0.05	9,324	0.87
Canvasback	46,298	2.67	4,235	1.08	42,063	3.91
Ring-neck	22,968	1.32	2,773	0.71	20,195	1.88
Scaup	658,118	37.92	25,655	6.57	615,838	57.31
C. Goldeneye	80,278	4.63	1,10708	0.44	78,570	7.31
Bufflehead	7,768	0.45	462	0.12	7,306	0.68
Ruddy	15,552	0.89	420	0.11	7,364	0.69
C. Merganser	73,857	4.26	1,120	0.29	72,737	6.77
Red. Br. Merganser	700	0.04			700	0.07
Hooded Merganser	15,770	0.91	2,471	0.63	9,344	0.87
Total	1,735,452		390,433		1,074,539	

2. Other Water Birds

Egrets: Great egrets peaked on the district at 180 the second week in May. Although in the past egrets have been reported as nesting with great blue herons, none were observed this year.

Herons: Great blue herons started arriving the third week in March. By late May they peaked at 1,500. Production in the districts' two rookeries was estimated at 500. On June 20, winds gusting to 85 mph hit the district. The heron rookery in Pool 11 was heavily damaged. Some nesting trees were toppled. Nests and young herons were blown out of nesting trees. One bird was observed dangling dead from the top of a tree, its foot caught in the crotch of a small limb. Mortality was estimated at 40-50.

Grebes: Pied-billed grebes were present on the district the last week in March and reached a peak of 450 the second week in April. The fall population peaked at 350 the first week in October.

Gulls and Terns: Ring-billed gulls were common on the district, peaking at 4500 the third week in March. Herring gulls peaked at 800 also the third week in March. Common and black terns are commonly observed during the summer months.

3. Shorebirds:

Nothing significant to report.

B. Upland Game Birds

Nothing significant to report.

C. Big Game Animals

Nothing significant to report.

D. Fur Animals

The muskrat population was down from last year. Perhaps last years spring season contributed some to the reduction. The reduction was also reflected in the number taken during the trapping season. The take was down nearly 25%. Beaver appear to be holding their own. They are not trapped real heavily on the Iowa side of Pools 10 & 11.

E. Eagles

The first bald eagles, three immatures, were observed the second week of October. Throughout the winter months there were from 4 to 8 consistently in the district. They peaked at 12 the last week in March, which was the last week any were sighted.

F. Other Birds

One osprey was sighted during April. From August through October from 1 to 3 were consistently observed. On April 18, an osprey was recovered that had been shot with what appeared to be a .22 caliber rifle. The bird floated in to Bill's Marina at Clayton.

G. Fish

Nothing significant to report.

H. Reptiles

Nothing significant to report.

I. Disease

Dutch elm disease continues to spread in the bottoms.

J. Rare and Endangered Species

Nothing to report.

III. REFUGE DEVELOPMENT AND MAINTENANCE

A. Physical Development

1. Development

There was no development in the Guttenberg District.

2. Maintenance

Routine maintenance of the public aquariums, buildings, and grounds was accomplished throughout the year.

Refuge boundaries were checked and posted as needed. The closed area boundary was checked and posted prior to waterfowl season.

A great deal of time was spent moving equipment in preparation for the transfer of the physical facilities (public aquarium, residence, and adjoining buildings) to the State of Iowa.

B. Plantings

1. Aquatics and Marsh Plants

None

2. Trees and Shrubs

None

3. Upland Herbaceous Plants

None

4. Cultivated Crops

Because of extremely wet conditions in the Turkey River bottoms, only 2 of the 5 permittees managed to get a corn crop in. A total of 3¹/₂ acres were planted. The refuge share was left standing. The average yield was about 90 bushel per acre.

C. Collections and Receipts

1. Seed or other Propagules

None

2. Specimens

One dead ring-billed gull was turned in by a commercial fisherman. The gull had a plastic six-pack holder caught in its mouth and wrapped around its head. The gull was donated to the Guttenberg Community School, where it was mounted and placed on display to show one result of littering.

D. Control of Vegetation

The use of herbicides was limited to what was used by the farming permittees.

E. Planned Burning

None

F. Fires

None

IV. RESOURCE MANAGEMENT

A. Grazing

None

B. Haying

None

C. Fur Harvest

This trapping season 130 permits were issued. A total of 8,860 muskrats were taken on the district. The average price per rat was about \$2.50, making a total of approximately \$21,600 realized by muskrat trappers. Twenty-five mink were taken, bringing an average of \$15 each. One hundred eleven beaver were harvested during the season. The average price on beaver was \$11. With a jump in price for raccoon, the number of coon trappers increased, harvesting 126. Raccoon brought an average price of \$11.

D. Timber

Pierce Lumber Company of Guttenberg, Iowa, removed 137,105 board feet of elm from the Sny Magill bottoms. Government receipts from the sale totaled \$1,371.05. In January, Mr. Pierce decided to give up the operation because of the difficulty in removing the timber. When the river was high enough to get a barge in, it was usually too wet on land to operate the needed equipment. Then when it was dry enough to operate equipment, the river was too low to get a barge in.

E. Commercial Fishing

Nothing significant to report.

F. Other Uses

Nothing to report.

V. FIELD INVESTIGATION OR APPLIED RESEARCH

A. Wood Duck Management Studies

1. Wood Duck Flight Counts

Wood duck spring flight counts showed a very slight (1%) increase over last year. Because of weather conditions and schedule conflicts, the counts were run later than usual. This may account for the lower than expected increase.

2. Brood Counts

The brood counts were run during the first two weeks of July. A total of 14 wood duck broods, averaging 6.7 ducklings per brood, were seen. One mallard brood of 8 was also observed. On the basis of these samples, wood duck production was estimated at 1,857. Mallard production was estimated at 158. High water conditions made it difficult to see all broods in the sample areas.

3. Fall Roost Counts

Because of various meetings and bad weather, only one fall roost count was conducted. The count at Yellow River showed an increase from 287 last year to 716 wood ducks this year. However, this is inconclusive since the other areas were not sampled.

B. Wood Duck Banding

This years banding activities began on August 8. A total of 286 wood ducks were banded plus another 100 for the State of Iowa. All birds were caught by the use of cannon net. One shot netted 141 birds banded.

Banding was hampered temporarily when the net and rockets were stolen from the banding site. Two of the rockets were recovered from the slough adjacent to the trap site.

The breakdown on the number and age classes banded for the refuge is listed below:

AHYM	AHYF	HYM	HYF
18	5	131	132

C. Waterfowl Hunter Bag Checks

A total of 85 hunters were checked this season. They averaged a poor 0.87 ducks per day. Wood ducks made up 35% of the bag. Blue-winged teal and mallards followed next, each making up 30% of the bag.

D. Vegetative Transects

None

VI. PUBLIC RELATIONS

A. Recreational Use

Fiscal 1974	Fishing	Miscellaneous	Hunting			Total Visits
			Ducks	Deer	Other	
Spring	33,702	7,889				41,591
Summer	76,867	155,213			170	232,250
Fall	51,357	7,275	2,901	108	804	62,445
Total Visits	161,926	170,377	2,901	108	974	336,286

The Guttenberg Aquarium had an estimated 15,471 visitors during the year. Visitors were from 30 states and 11 foreign countries including Chile, Germany, Canada, Brazil, Japan, Morocco, Australia, Netherlands, Sweden, Mexico, and England.

B. Refuge Participation

Eighteen programs or tours were presented to 794 persons during the year. These included endangered species slide talks during Wildlife Week, Aquarium tours, rookery tours, gun safety presentation, and Wisconsin Girls Conservation Camp.

C. Hunting

Small game hunters enjoyed a good squirrel and rabbit season this year. Raccoon hunters had good success running their dogs in the bottoms.

Iowa had a 5 day shotgun deer hunting season this year. The majority of the licenses issued were for antlered deer only. Only an estimated 3 deer were taken on the refuge as hunting pressure on refuge land was very light.

The Iowa duck season opened on October 6th at sunrise. The season was again split this year, closing October 10th and then reopening October 20th and running through November 28th. Hunters were hampered by high water conditions and many flooded blinds opening week.

As in the previous three years, Iowa selected the point system. Most hunters continue to like the point system even though the majority of them are poor at duck identification. Hunting pressure was heavy the first week of each of the openings, but dropped off sharply after that.

D. Violations

Four apprehensions were made during the waterfowl season. Three were for shooting late and one was for taking wood ducks out of season. The individual didn't know the season was split. At the time of apprehension he said he had wondered why he had the entire area to himself.

During the trapping season several individuals had their permit suspended for trapping early and trapping without federal tags, even though the individual had purchased them.

E. Safety

There were no lost-time accidents involving district personnel this year. The summer assistants were given safety instructions throughout the summer. The District Manager completed the Red Cross Standard Multimedia First Aid Course.

VII. OTHER ITEMS

A. Items of Interest

Student assistants this year were Doug Bickel (July - August, 1973) and Stan Skutek (June, 1974). Doug was a student at Winona State, Winona, Minnesota. Stan had just graduated from Stevens Point (University of Wisconsin), getting his degree in Wildlife management.

B. Credits

Report written by Robert E. Wilson and typed by Sue Wilson.

SIGNATURE PAGE

Submitted by:

Robert E. Wilson
(Signature)

Robert E. Wilson

Date: February 20, 1975District Manager
Title

Approved, Regional Office:

Date: _____

(Signature)

Regional Refuge Supervisor

DISTRICT: Guttenberg

MONTH: July

74

WATERFOWL POPULATIONS	DAYS USE FOR PERIOD	Week ending: 7/7	7/14	7/21	7/28		MONTHLY TOTAL	AVERAGE
COOT	280	10	10	10	10		40	10
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MALLARD	7,280	260	260	260	260		1,040	260
BLACK								
GADWALL								
WIDGEON								
PINTAIL								
G. W. TEAL								
B. W. TEAL	420	15	15	15	15		60	15
SHOVELER								
WOOD DUCK	63,700	2,200	2,300	2,300	2,300		9,100	2,275
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDENEYE								
BUFILEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON Merganser								
RED BR. Merganser								
HOODED Merganser	1,400	50	50	50	50		200	50
TOTAL DUCKS	72,800	2,525	2,625	2,625	2,625		10,400	2,625

DISTRICT: Guttenberg

MONTH : August

74

WATERFOWL POPULATIONS	DAY'S USE FOR PERIOD	Week ending: 8/4	8/11	8/18	8/25	9/1	MONTHLY TOTAL.	AVERAGE
COOT	875	25	25	25	25	25	125	25
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MAILARD	10,500	300	300	300	300	300	1,500	300
BLACK								
GADWALL								
WIDGEON								
PINTAIL	105						15	3
G.W. TEAL								
B.W. TEAL	3,500	110	110	110	110	85	500	100
SHOVELER								
WOOD DUCK	80,500	2,300	2,300	2,300	2,300	2,300	11,500	2,300
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDENEYE								
BUFFLEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON MERGANSER								
RED BR. MERGANSER								
HOODED MERGANSER	1,750	50	50	50	50	50	250	50
TOTAL DUCKS	97,230	2,760	2,760	2,735	2,735	2,750	13,765	50

DISTRICT: Guttenberg

MONTH: September

F.Y. 74

	DAYS USE	FOR PERIOD	Week ending:	9/8	9/15	9/22	9/29		MONTHLY	
									TOTAL	: AVERAGE
WATERFOWL POPULATIONS										
COOT	40,075	25			600	1,500	2,600		4,725	1,181
SWAN										
CANADA GOOSE										
WHITE FRONT										
SNOW/BLUE										
OTHER										
TOTAL GEESE										
MALLARD	18,550	300			425	675	1,250		2,650	662
BLACK	420					25	35		60	15
GADWALL	875						125		125	31
WIDGEON	1,645					75	160		235	52
PINTAIL	1,610	15			65	75	75		230	58
G.W. TEAL	945					25	50		135	34
B.W. TEAL	16,975	85			260	680	1,400		2,425	606
SHOVELER	140						20		20	5
WOOD DUCK	66,850	2,300			2,300	2,300	2,650		9,550	2,388
REDHEAD										
CANVASBACK										
BING-NECK										
SCAUP										
GOLDENEYE										
BUFFLEHEAD										
RUDDY										
OLD SQUAW										
SCOTER										
COMMON MERGANSER										
RED BR. MERGANSER										
HOODED MERGANSER	1,400	50			50	50	50		200	50
TOTAL DUCKS	109,410	2,750			3,125	3,930	5,825		15,630	

DISTRICT: Guttenberg

MONTH: October

F.Y. 74

	DAYS	USE	Week ending:		10/20	10/27	11/3	MONTHLY	TOTAL	AVERAGE
	FOR PERIOD	::	10/6	:						
WATERFOWL										
POPULATIONS										
COOT	453,775	3,600	5,400	:	27,300	22,375	6,150	64,825	12,965	
SWAN										
CANADA GOOSE	24	12	12	:					12	2
WHITE FRONT	20									
SNOW/BLUE							20		20	4
OTHER										
TOTAL GEESE	44	12	12	:			20		32	6
MALLARD	72,653	1,200	1,458	:	2,636	2,900	2,185	10,379	2,076	
BLACK	1,162	30	36	:	45	45	15	166	33	
GADWALL	2,653	185	144	:	50	40	60	379	76	
WIDGEON	19,327	140	176	:	700	990	755	2,761	552	
PINTAIL	16,226	75	28	:	750	1110	355	2,318	464	
G.W. TEAL	4,214	80	192	:	85	65	180	602	120	
B.W. TEAL	13,825	875	620	:	320	120	40	1,975	395	
SHOVELER	1,169	20	12	:	75	40	20	167	33	
WOOD DUCK	31,500	2,150	1,060	:	925	190	175	4,500	900	
REDHEAD										
CANVASBACK	1,435					125		80	205	41
RING-NECK	260							90	90	18
SCAUP	18,690					870		1,800	2,670	534
GOLDENEYE										
BUFFLEHEAD										
RUDDY										
OLD SQUAW										
SCOTER										
COMMON MERGANSER										
RED BR. MERGANSER										
HOODED MERGANSER	833	45	24	:	20			10	119	24
TOTAL DUCKS	183,947	4,800	3,650	:	6,601	5,515	5,765	26,331		

DISTRICT: Guttenberg

MONTH: November F.Y. 74

	DAYS USE FOR PERIOD	Week ending: 11/10	11/17	11/24	12/1		MONTHLY TOTAL	MONTHLY TOTAL : AVERAGE
WATERFOWL POPULATIONS								
COOT	38,430	2,800	2,500	140	50		5,490	1,373
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MALLARD	68,845	2,005	2,105	2,200	3,525		9,835	2,459
BLACK	1,771	16	40	80	117		253	63
GADWALL	1,428	100	56	20	28		204	51
WIDGEON	4,592	304	290	20	42		656	164
PINTAIL	1,330	120	40	16	14		190	48
G.W. TEAL	280	40					40	10
B.W. TEAL	224	32					32	8
SHOVELER								
WOOD DUCK	1,190	70	70	16	14		170	43
REDHEAD	210		30				30	7
CANVASBACK	2,800	245	50	30	75		400	100
RING-NECK	2,513	70	194	20	75		359	90
SCAUP	6,965	600	190	80	125		995	249
GOLDENEYE	1,148	24	20	80	40		164	41
BUFFLEHEAD	462		30	16	20		66	17
RUDDY	420		24	16	20		60	15
OLD SQUAW								
SCOTER								
COMMON MERCANSER	378		20	20	14		54	14
RED BR. MERCANSER								
WOODED MERCANSER	238	12	4	4	14		34	9
TOTAL DUCKS	94,794	3,638	3,163	2,618	4,123		13,542	

DISTRICT: Guttenberg

MONTH: December F.Y. 74

WATERFOWL POPULATIONS	DAY USE FOR PERIOD	Week ending: 12/8	12/15	12/22	12/29		MONTHLY TOTAL	AVERAGE
COOT	140	5	5	5	5		20	5
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MALLARD	980	65	25	25	25		140	35
BLACK								
GADWALL								
WIDGEON								
PINTAIL								
G.W. TEAL								
B.W. TEAL								
SHOVELER								
WOOD DUCK								
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDENEYE	560	20	20	20	20		80	20
BUFFLEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON MEGANSER	742	40	26	20	20		106	27
RED BR. MEGANSER								
HOODED MEGANSER								
TOTAL DUCKS	2,282	125	71	65	65		326	

DISTRICT: Guttenberg

MONTH: January PAGE: 74

WATERFOWL POPULATIONS	DAY USE FOR PERIOD	Week ending: 1/5	1/12	1/19	1/26	2/2	MONTHLY TOTAL	AVERAGE
COOT	::	::	::	::	::	::	::	::
SWAN	::	::	::	::	::	::	::	::
CANADA GOOSE	::	::	::	::	::	::	::	::
WHITE FRONT	::	::	::	::	::	::	::	::
SNOW/BLUE	::	::	::	::	::	::	::	::
OTHER	::	::	::	::	::	::	::	::
TOTAL GEESE	::	::	::	::	::	::	::	::
MALLARD	350	10	10	10	10	10	50	10
BLACK	::	::	::	::	::	::	::	::
GADWALL	::	::	::	::	::	::	::	::
WIDGEON	::	::	::	::	::	::	::	::
PINTAIL	::	::	::	::	::	::	::	::
G.W. TEAL	::	::	::	::	::	::	::	::
B.W. TEAL	::	::	::	::	::	::	::	::
SHOVELER	::	::	::	::	::	::	::	::
WOOD DUCK	::	::	::	::	::	::	::	::
REDHEAD	::	::	::	::	::	::	::	::
CANVASBACK	::	::	::	::	::	::	::	::
RING-NECK	::	::	::	::	::	::	::	::
SCAUP	::	::	::	::	::	::	::	::
GOLDENEYE	::	::	::	::	::	::	::	::
BUFILEHEAD	::	::	::	::	::	::	::	::
RUDDY	::	::	::	::	::	::	::	::
OLD SQUAW	::	::	::	::	::	::	::	::
SCOTER	::	::	::	::	::	::	::	::
COMMON MEGANSER	::	::	::	::	::	::	::	::
RED BR. MEGANSER	::	::	::	::	::	::	::	::
RODDED MEGANSER	::	::	::	::	::	::	::	::
TOTAL DUCKS	350	10	10	10	10	10	50	10

DISTRICT: Guttenberg

MONTH: February F.Y. 74

	WATERFOWL POPULATIONS	DAYS USE FOR PERIOD	2/9	2/16	2/23	3/2		MONTHLY TOTAL	AVERAGE
COOT									
SWAN									
CANADA GOOSE									
WHITE FRONT									
SNOW/BLUE									
OTHER									
TOTAL GEESE									
MALLARD	280	10	10	10	10	10		40	10
BLACK									
GADWALL									
WIDGEON									
PINTAIL									
G. W. TEAL									
B.W. TEAL									
SHOVELER									
WOOD DUCK									
REDHEAD									
CANVASBACK									
RING-NECK									
SCAUP									
GOLDENEYE	105								
BUFFLEHEAD									
RUDDY									
OLD SQUAW									
SCOTER									
COMMON Merganser									
MED BR. Merganser									
HOODED Merganser									
TOTAL DUCKS	385	10	10	10	10	25		55	4

DISTRICT: Guttenberg

MONTH: March F.Y. 74

WATERFOWL POPULATIONS	DAY USE FOR PERIOD	Week ending: 3/9	3/16	3/23	3/30		MONTHLY TOTAL	AVERAGE
COOT	63,837	288	455	605	7,895		9,243	2,311
SWAN								
CANADA GOOSE	20						20	5
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE	20						20	5
MALLARD	85,025	2,645	2,820	3,465	4,350		13,280	3,320
BLACK	635	10	25	40	20		95	24
GADWALL	350				50		50	13
WIDGEON	9,275		370	550	405		1,325	331
PINTAIL	4,430	145	150	325	75	695	695	174
G.W. TEAL								
B.W. TEAL	350				50		50	13
SHOVELER	916	5			128		133	33
WOOD DUCK	4,781		50	125	508		683	175
REDHEAD	7,875		225	325	575		1,125	281
CANVASBACK	24,164			1,125	2,327		3,452	863
RING-NECK	15,134	196	505	1,075	470		2,246	562
SCAUP	227,240	1,125	1,505	12,565	17,750		32,945	8,236
GOLDENEYE	75,175	7,200	3,030	1,940	1,655		13,825	3,456
BUFFLEHEAD	6,417	255	331	245	195		1,026	257
RUDDY	840				120	30	120	30
OLD SQUAW								
SCOTER								
COMMON MEGANSER	72,443	6,202	3,610	2,665			12,477	3,119
RED BR. MEGANSER	490				70		70	18
REDDED MEGANSER	9,050	845	580	230			1,655	414
TOTAL DUCKS	544,590	18,628	13,201	24,675	28,748		85,252	

DISTRICT: Guttenberg

MONTH: April F.Y. 74

	WATERFOWL POPULATIONS	DAYS USE FOR PERIOD ::	Week ending: 4/6	4/13	4/20	4/27		MONTHLY TOTAL	AVERAGE
COOT	211,155	::	12,990	12,775	3,975	425		30,165	7,541
SWAN		::							
CANADA GOOSE	25	::			25			25	6
WHITE FRONT		::							
SNOW/BLUE		::							
OTHER		::							
TOTAL GEESE	25	::			25			25	6
MALLARD	59,178	::	6,195	1,190	810	259		8,454	2,114
BLACK	210	::	30					30	8
GADWALL	1,575	::	225					225	57
WIDGEON	3,983	::	344	225				569	143
PINTAIL	350	::	50					50	13
G.W. TEAL	2,730	::	350	40				390	98
B.W. TEAL	10,962	::	565	901	50	50		1,566	392
SHOVELER	9,793	::	592	689	56	55		1,399	350
WOOD DUCK	15,925	::	495	580	600	600		2,275	569
REDHEAD	1,449	::	180	27				207	52
CANVASBACK	17,892	::	1,882	635	40			2,557	640
RING-NECK	5,061	::	652	21	10	40		723	181
SCAUP	388,598	::	29,805	18,392	4,432	2,885		55,514	13,879
GOLDENEYE	3,290	::	455	15				470	118
BUFFLEHEAD	889	::	109	18				127	32
RUDDY	6,524	::	662	158	112			932	233
OLD SQUAW		::							
SCOTER		::							
COMMON MEGANSER	294	::	27	15				42	11
RED BR. MEGANSER	210	::		17				30	8
HOODED MEGANSER	294	::	6	12	12			42	11
TOTAL DUCKS	529,214	::	42,631	22,935	6,122	3,914		75,602	

DISTRICT: Guttenberg

MONTH: May F.Y. 74

	DAYS USE FOR PERIOD	Week ending:	5/11	5/18	5/25	6/1	MONTHLY TOTAL	AVERAGE
WATERFOWL POPULATIONS								
COOT	2,870	275	85	25	25		410	82
SWAN								
CANADA GOOSE	70	2	2	2	2	2	10	2
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE	70	2	2	2	2	2	10	2
MALLARD	5,495	175	150	150	125	185	785	157
BLACK								
GADWALL								
WIDGEON								
PINTAIL	35		5	5			5	1
G.W. TEAL								
B.W. TEAL	1,225	50	50	50	25		175	35
SHOVELER	245	35					35	7
WOOD DUCK	23,100	600	600	600	750	750	3,300	660
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP	16,625	2,200	150	25			2,375	475
GOLDENEYE								
BUFFLEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON MERGANSER								
RED BR. MERGANSER								
FOODED MERGANSER	420	10	10	10	15	15	60	12
TOTAL DUCKS	47,145	3,070	965	835	915	950	6,735	1,347

DISTRICT: Guttenberg

MONTH: June F.Y. 74

	DAYS USE FOR PERIOD	Week ending: 6/8	6/15	6/22	6/29		MONTHLY TOTAL	AVERAGE
COOT	280	10	10	10	10	10	40	10
SWAN								
CANADA GOOSE								
WHITE FRONT								
SNOW/BLUE								
OTHER								
TOTAL GEESE								
MALLARD	7,350	200	250	300	300		1,050	263
BLACK								
GADWALL								
WIDGEON								
PINTAIL								
G.W. TEAL								
B.W. TEAL	420	15	15	15	15	15	60	15
SHOVELER								
WOOD DUCK	45,150	850	1200	2,200	2,200		6,450	1,613
REDHEAD								
CANVASBACK								
RING-NECK								
SCAUP								
GOLDENEYE								
BUFILEHEAD								
RUDDY								
OLD SQUAW								
SCOTER								
COMMON MEGANSER								
RED BR. MEGANSER								
HOODED MEGANSER	385	10	15	15	15	15	55	14
TOTAL DUCKS	53,305	1,075	1,480	2,530	2,530		7,615	1,905

NATIONAL WILDLIFE REFUGE SYSTEM
PUBLIC USE REPORT

GUTTENBERG DISTRICT
03-3527-04-GTD

VISITS BY MONTH

ACTIVITY NAME

INTERPRETATION JUL-73 AUG-73 SEP-73 OCT-73 NOV-73 DEC-73 JAN-74 FEB-74 MAR-74 APR-74 MAY-74 JUN-74 12 MONTH TOTAL

EXHIBITS-DEMONSTRATIONS

SELF GUIDED

OTHER PROGRAMS

	JUL-73	AUG-73	SEP-73	OCT-73	NOV-73	DEC-73	JAN-74	FEB-74	MAR-74	APR-74	MAY-74	JUN-74	12 MONTH TOTAL	
SELF GUIDED	5780	4408	678	64									798	3266
OTHER PROGRAMS													541	14930

RECREATION-WILDLIFE WILDLANDS

HUNTING MIGRATORY BIRDS

	JUL-73	AUG-73	SEP-73	OCT-73	NOV-73	DEC-73	JAN-74	FEB-74	MAR-74	APR-74	MAY-74	JUN-74	12 MONTH TOTAL	
DUCKS													2061	840
GESE													87	2901
GENERAL WATERFOWL													40	87
HUNTING BIG BIRDS-OTHER													24	85
HUNTING RESIDENT GAME													15	24
UPLAND GAME BIRDS													16	31
BIG GAME-DEER-GUN													8	48
WHITE-TAILED DEER													40	48
BIG GAME-BEAR-BCW													20	45
WHITE-TAILED DEER													78	15
JELSON'S BIGHORN SHEEP													20	15
SMALL GAME													50	15
OTHER GAME													19	15
FISHING													72	40
WARMWATER													78	479
CLAMS, CRABS, JESTERS													20	307
OTHR CONSUMPT WILDLIFE													5	161926
WILDLIFE OBSERVATION													25	1550
BOAT (NONMOTORIZED)													527	1020
BOAT (NONMOTORIZED)	714	506	311	467	199	827	1651	381	3815	11101	13510	16043	995	16043
928	608	377	502	502									40	40
2140	1517	934	1395	598									832	1013
10700	10395	37200	82687	8605	900	319	195	480	595	20720	24000	196796	75	75
80	100	60	445	10	4	15	11	11	36	210	60		15	15
PHOTOGRAPHY													30	5843
RECREATION NON-WILDLIFE													306	306
CAMPING													1460	8181
PICNICKING													1945	43186
SWIMMING													5065	27734
BOATING													40	52160
WATER SKIING													8595	11686
OFF ROAD VEHICLE													15	9633
OTHER NON W/W ORIENTED													5843	27504
TOTAL INTERPRETATION	5780	4408	678	64									798	3266
TOTAL HUNTING	29154	20561	12614	18615	7961	8268	16518	5276	3815	11101	13510	16083	798	15558
TOTAL FISHING													4022	163476

NATIONAL WILDLIFE SURVEY
PUBLIC USE SYSTEM
PART

NBERG DISTRICT
-3527-04-GTD

VISITS BY MONTH

ACTIVITY NAME	JUL-73	AUG-73	SEP-73	OCT-73	NOV-73	DEC-73	JAN-74	FEB-74	MAR-74	APR-74	MAY-74	JUN-74	12 MONTH TOTAL
TOTAL OTHER W/W RECREATION	14562	13126	38882	85496	9437	1731	1985	733	896	1779	23499	26113	218239
TOTAL WILDLIFE ORIENTED	49496	38095	52344	106544	18517	10196	18631	6071	5252	12680	37807	45462	401295
TOTAL HUMAN-WILDLIFE ORIENTED	83143	54401	27144	12654	1238	93	319	246	244	1195	12055	41877	234609
TOTAL PUBLIC USE	132639	92496	79488	119198	19755	10289	18950	6317	5496	14075	49862	87339	635904
NU. VISITS TO REFUGEE	91454	61576	31716	27383	9328	8864	16870	5546	4063	10125	21857	47504	336286

NATIONAL WILDLIFE REFUGE SYSTEM
PUBLIC USE REPORT

GUTTENBERG DISTRICT
03-3527-04-GID

ACT HRS BY MONTH

JUL-73 AUG-73 SEP-73 OCT-73 NOV-73 DEC-73 JAN-74 FEB-74 MAR-74 APR-74 MAY-74 JUN-74

12 MONTH
TOTAL

ACTIVITY NAME

INTERPRETATION

EXHIBITS-DEMONSTRATIONS
SELF GUIDED
OTHER PROGRAMS

	JUL-73	AUG-73	SEP-73	OCT-73	NOV-73	DEC-73	JAN-74	FEB-74	MAR-74	APR-74	MAY-74	JUN-74	TOTAL
EXHIBITS-DEMONSTRATIONS	2890	2204	339	126									399
SELF GUIDED													1633
OTHER PROGRAMS													7465
													156

RECREATION-WILDLIFE WILDLANDS

HUNTING MIGRATORY BIRDS

DUCKS
GESE
GENERAL WATERFOWL
HUNTING MIG BIRDS-OTHER
HUNTING RESIDENT GAME

UPLAND GAME BIRDS
BIG GAME, DEER-GUN
WHITE-TAILED DEER
BIG GAME, DEER-BOW

WHITE-TAILED DEER
NELSON'S BIGHORN SHEEP
SMALL GAME
OTHER GAME

FISHING
WARMWATER
CLAMS, CRABS, OYSTERS
OTHER CONSUMPT W/W REC

WILDLIFE OBSERVAT-ON
FOOT
BOAT (NONMOTORIZED)

OTHER
WILDLANDS APPRECIATION
FOOT

PHOTOGRAPHY
RECREATION NON-WILDLIFE

CAMPING
PICNICKING
SWIMMING
BOATING
WATER SKIING
OFF ROAD VEHICLING

OTHER NON W/W ORIENTED

TOTAL INTERPRETATION
TOTAL HUNTING
TOTAL FISHING

194880 127524 79308 828
27140 17763 11051
81581 53361 16824
104396 68319 42494
34809 22773 7356

108 630 180
60

17520 98172 518232
5252 13676 74882
148 41077 192291
38678 52587 376604
45 17529 82512
918 60

399 1633 7621
152 20 20846
55391 65936 670097

NATIONAL WILDLIFE REFUGE SYSTEM
PUBLIC USE REPORT

GUTTENBERG DISTRICT
03-3527-04-GTD

ACT HRS BY MONTH

ACTIVITY NAME	JUL-73	AUG-73	SEP-73	OCT-73	NOV-73	DEC-73	JAN-74	FEB-74	MAR-74	APR-74	MAY-74	JUN-74	12 MONTH TOTAL
TOTAL OTHER W/W RECREATION	7625	6138	11479	24873	13407	3709	2431	839	836	1598	9388	8661	90984
TOTAL WILDLIFE ORIENTED	129986	92567	64116	114686	51426	38451	70667	22631	16498	47112	65178	76230	789548
TOTAL NON-WILDLIFE ORIENTED	442806	289740	157033	57461	5571	365	1046	1017	1098	5378	61643	223041	1246199
TOTAL PUBLIC USE	572792	382307	221149	172147	56997	38816	71713	23648	17596	52490	126821	299271	2035747
NU. VISITS TO REFUGE	91454	61576	31716	27383	9328	8864	16870	5546	4063	10125	21857	47504	336286